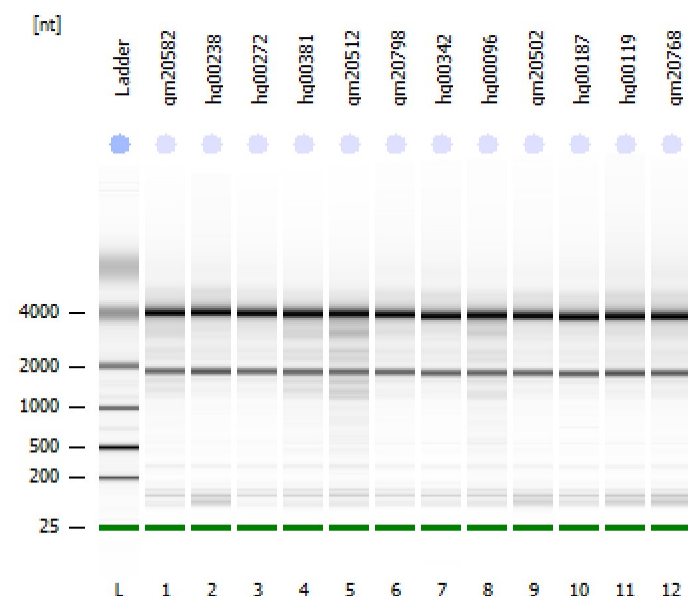


Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-04\_11-10-16.xad

Created: 10/4/2011 11:10:15 AM  
Modified: 10/4/2011 11:34:10 AM

**Electrophoresis File Run Summary**Instrument Information:

Instrument Name: DE04105537

Firmware: C.01.069

Serial#: DE04105537

Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

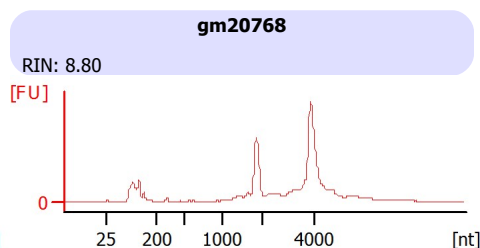
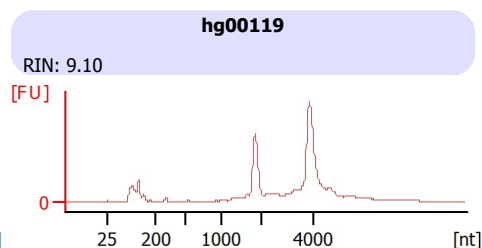
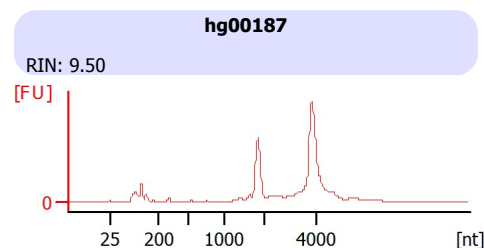
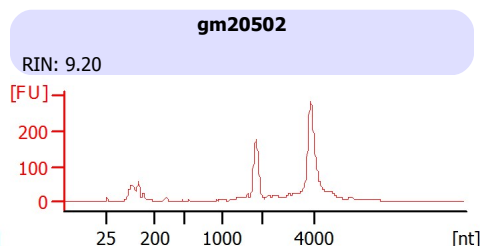
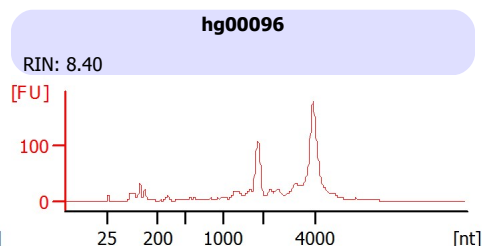
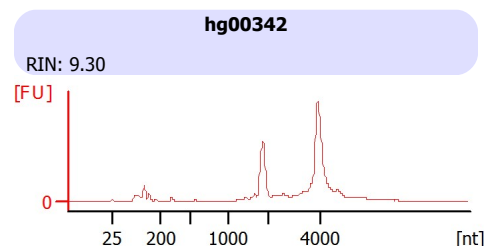
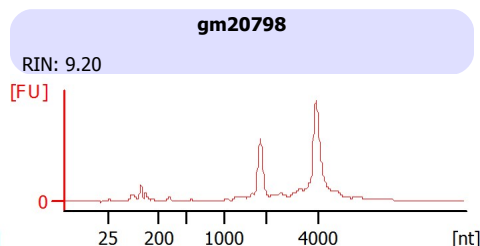
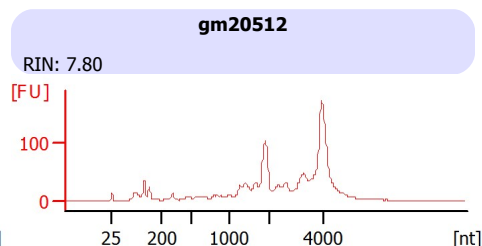
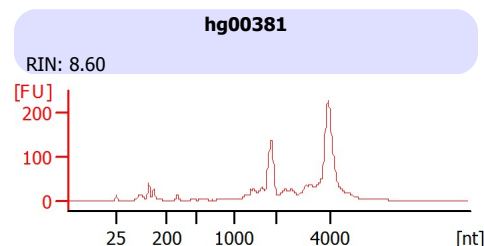
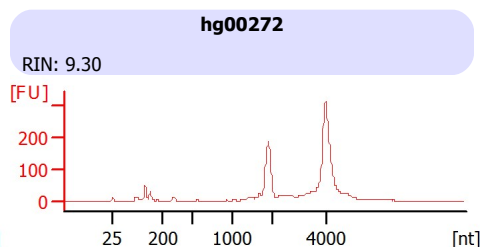
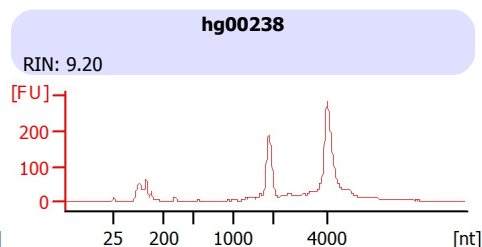
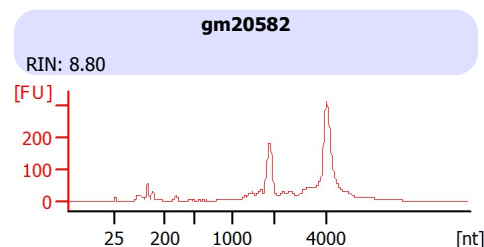
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-04\_11-10-16.xad

Created: 10/4/2011 11:10:15 AM  
Modified: 10/4/2011 11:34:10 AM

**Electrophoresis File Run Summary (Chip Summary)**

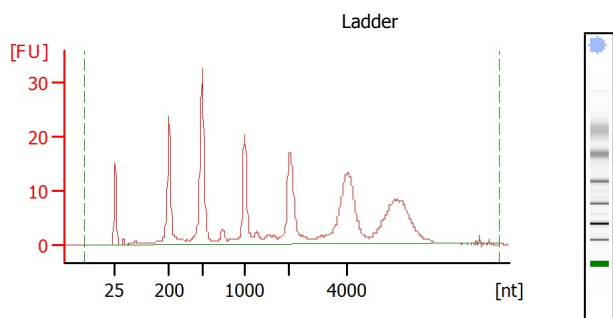
Sample Name	Sample Comment	Status	Result Label	Result Color
gm20582		✓	RIN: 8.80	
hg00238		✓	RIN: 9.20	
hg00272		✓	RIN: 9.30	
hg00381		✓	RIN: 8.60	
gm20512		✓	RIN: 7.80	
gm20798		✓	RIN: 9.20	
hg00342		✓	RIN: 9.30	
hg00096		✓	RIN: 8.40	
gm20502		✓	RIN: 9.20	
hg00187		✓	RIN: 9.50	
hg00119		✓	RIN: 9.10	
gm20768		✓	RIN: 8.80	
Ladder		✓	All Other Samples	

**Chip Lot #****Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-04\_11-10-16.xad

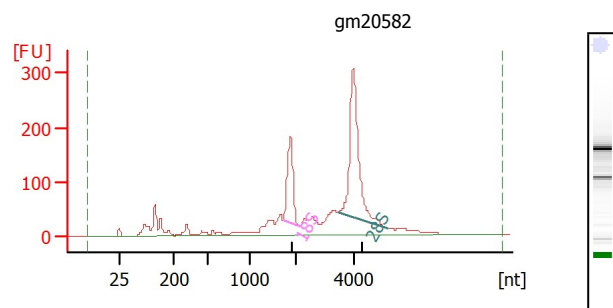
Created: 10/4/2011 11:10:15 AM  
 Modified: 10/4/2011 11:34:10 AM

### Electropherogram Summary



#### Overall Results for Ladder

RNA Area: 334.7  
 RNA Concentration: 150 ng/μl  
 Result Flagging Color:    
 Result Flagging Label: All Other Samples

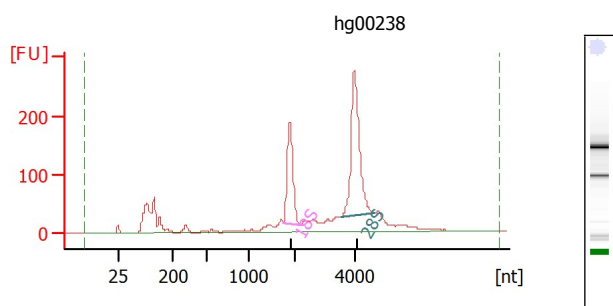


#### Overall Results for sample 1 : gm20582

RNA Area: 2,379.6  
 RNA Concentration: 1,067 ng/μl  
 rRNA Ratio [28s / 18s]: 2.2  
 RNA Integrity Number (RIN): 8.8 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 8.80

#### Fragment table for sample 1 : gm20582

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,733	2,133	291.4	12.2
28S	3,448	5,192	652.9	27.4

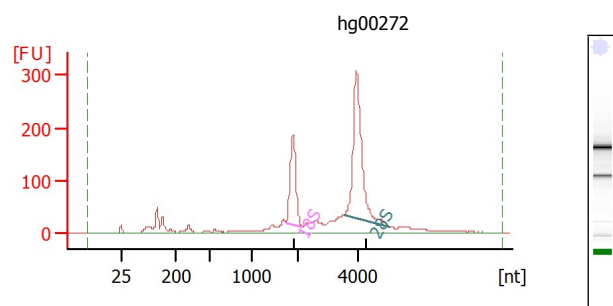


#### Overall Results for sample 2 : hg00238

RNA Area: 2,060.7  
 RNA Concentration: 924 ng/μl  
 rRNA Ratio [28s / 18s]: 1.7  
 RNA Integrity Number (RIN): 9.2 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.20

#### Fragment table for sample 2 : hg00238

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,739	2,180	325.7	15.8
28S	3,526	4,674	544.3	26.4



#### Overall Results for sample 3 : hg00272

RNA Area: 1,965.1  
 RNA Concentration: 881 ng/μl  
 rRNA Ratio [28s / 18s]: 2.0  
 RNA Integrity Number (RIN): 9.3 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.30

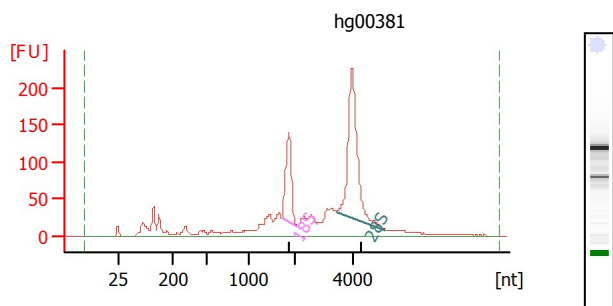
#### Fragment table for sample 3 : hg00272

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,739	2,151	320.7	16.3
28S	3,569	5,114	640.9	32.6

Assay Class: Eukaryote Total RNA Nano  
 Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-04\_11-10-16.xad

Created: 10/4/2011 11:10:15 AM  
 Modified: 10/4/2011 11:34:10 AM

### Electropherogram Summary Continued ...

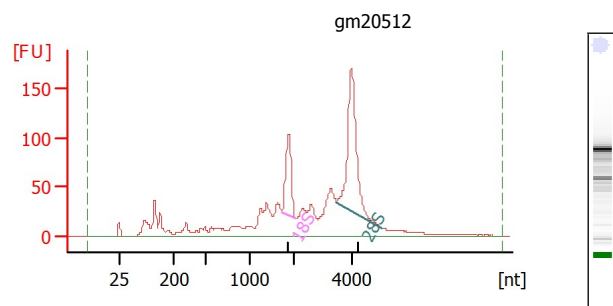


#### Overall Results for sample 4 : hg00381

RNA Area: 1,808.2  
 RNA Concentration: 810 ng/μl  
 rRNA Ratio [28s / 18s]: 2.2  
 RNA Integrity Number (RIN): 8.6 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 8.60

#### Fragment table for sample 4 : hg00381

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,728	2,079	221.9	12.3
28S	3,414	5,048	486.8	26.9

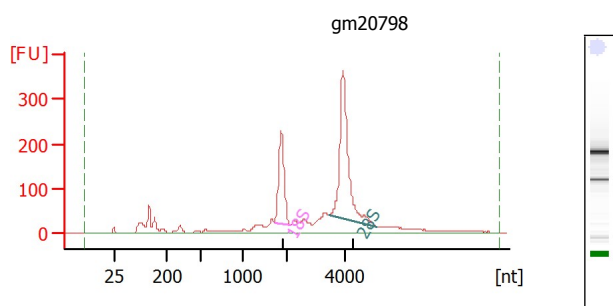


#### Overall Results for sample 5 : gm20512

RNA Area: 1,693.5  
 RNA Concentration: 759 ng/μl  
 rRNA Ratio [28s / 18s]: 2.4  
 RNA Integrity Number (RIN): 7.8 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 7.80

#### Fragment table for sample 5 : gm20512

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,732	2,045	140.9	8.3
28S	3,449	4,968	334.3	19.7

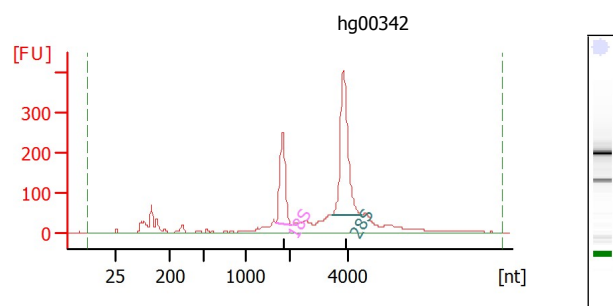


#### Overall Results for sample 6 : gm20798

RNA Area: 2,461.0  
 RNA Concentration: 1,103 ng/μl  
 rRNA Ratio [28s / 18s]: 2.1  
 RNA Integrity Number (RIN): 9.2 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.20

#### Fragment table for sample 6 : gm20798

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,714	2,111	367.2	14.9
28S	3,443	5,065	764.2	31.1



#### Overall Results for sample 7 : hg00342

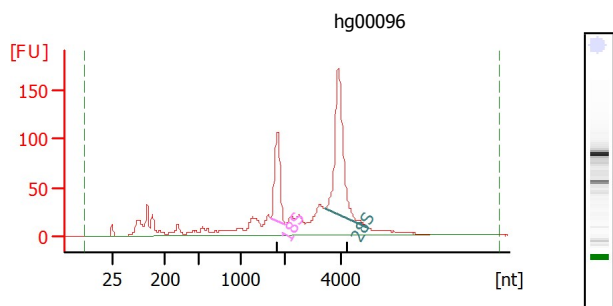
RNA Area: 2,674.2  
 RNA Concentration: 1,199 ng/μl  
 rRNA Ratio [28s / 18s]: 1.8  
 RNA Integrity Number (RIN): 9.3 (B.02.08)  
 Result Flagging Color:    
 Result Flagging Label: RIN: 9.30

#### Fragment table for sample 7 : hg00342

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,694	2,095	414.3	15.5
28S	3,474	4,505	760.0	28.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-04\_11-10-16.xad

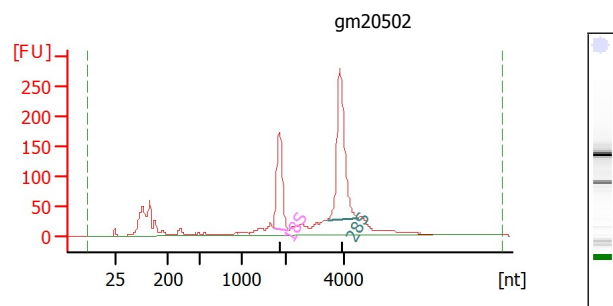
Created: 10/4/2011 11:10:15 AM  
Modified: 10/4/2011 11:34:10 AM

**Electropherogram Summary Continued ...****Overall Results for sample 8 : hg00096**

RNA Area: 1,431.0  
RNA Concentration: 641 ng/μl  
rRNA Ratio [28s / 18s]: 2.2  
RNA Integrity Number (RIN): 8.4 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 8.40

**Fragment table for sample 8 : hg00096**

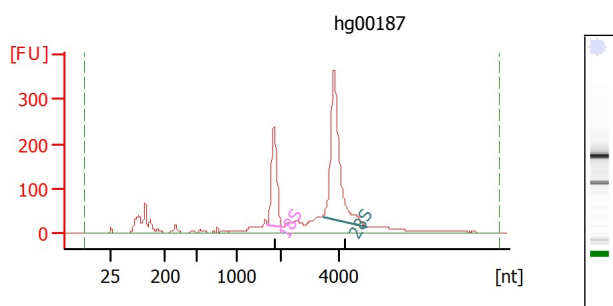
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,699	2,062	160.9	11.2
28S	3,421	4,955	348.1	24.3

**Overall Results for sample 9 : gm20502**

RNA Area: 1,960.6  
RNA Concentration: 879 ng/μl  
rRNA Ratio [28s / 18s]: 1.8  
RNA Integrity Number (RIN): 9.2 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 9.20

**Fragment table for sample 9 : gm20502**

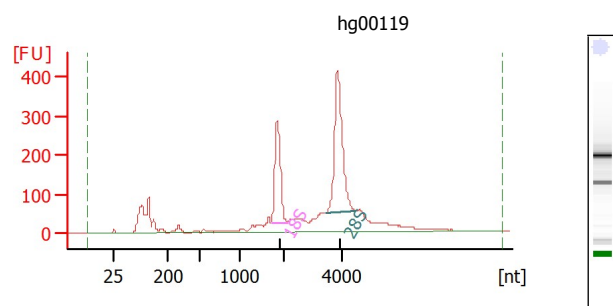
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,697	2,090	297.5	15.2
28S	3,437	4,506	535.0	27.3

**Overall Results for sample 10 : hg00187**

RNA Area: 2,460.4  
RNA Concentration: 1,103 ng/μl  
rRNA Ratio [28s / 18s]: 2.0  
RNA Integrity Number (RIN): 9.5 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 9.50

**Fragment table for sample 10 : hg00187**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,684	2,058	397.5	16.2
28S	3,411	5,014	812.1	33.0

**Overall Results for sample 11 : hg00119**

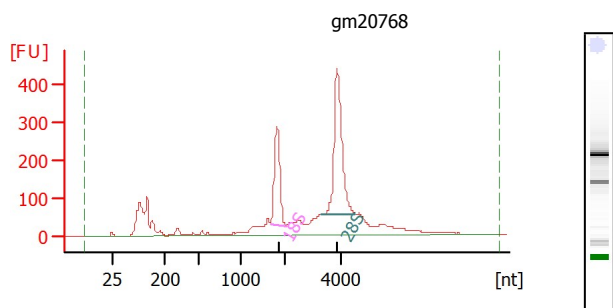
RNA Area: 3,287.1  
RNA Concentration: 1,473 ng/μl  
rRNA Ratio [28s / 18s]: 1.7  
RNA Integrity Number (RIN): 9.1 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 9.10

**Fragment table for sample 11 : hg00119**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,694	2,102	478.2	14.5
28S	3,455	4,485	802.6	24.4

Assay Class: Eukaryote Total RNA Nano  
Data Path: C:\...Eukaryote Total RNA Nano\_DE04105537\_2011-10-04\_11-10-16.xad

Created: 10/4/2011 11:10:15 AM  
Modified: 10/4/2011 11:34:10 AM

**Electropherogram Summary Continued ...****Overall Results for sample 12 : gm20768**

RNA Area: 3,586.4  
RNA Concentration: 1,607 ng/μl  
rRNA Ratio [28s / 18s]: 1.8  
RNA Integrity Number (RIN): 8.8 (B.02.08)  
Result Flagging Color:    
Result Flagging Label: RIN: 8.80

**Fragment table for sample 12 : gm20768**

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,689	2,077	457.4	12.8
28S	3,275	4,502	834.8	23.3